

HWD-15

HARDWOOD FLOOR UNDERLAYMENT

In the battle against interior moisture damage, the best defense is a strong offense. When you reduce moisture vapor rising from beneath moisture-sensitive wood flooring, you help increase the useful life and protect the appearance of finished

floors. To help win the battle, the Fortifiber Building Systems Group® offers HWD-15 as economical insurance to reduce most moisture-related flooring problems.

“*HWD-15 helps protect against moisture vapor related problems such as buckling, cupping or cracking.*”

HWD-15 hardwood floor underlayment is an economical and extremely effective Class III moisture vapor retarder specifically designed for optimum performance in wood flooring applications. Consisting of a single layer of kraft paper saturated with asphalt, HWD-15 is a permeable vapor retarder. It reduces vapor flow, without trapping moisture.

Clean and Easy Handling

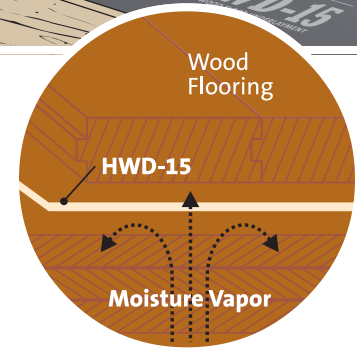
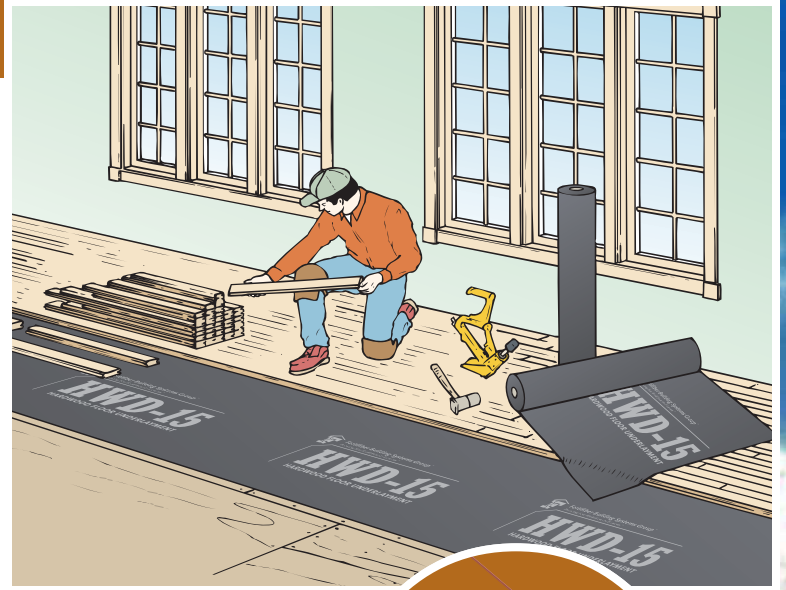
With little or no asphalt rub-off, HWD-15 is considerably cleaner than other materials, such as roofing felt. It's also lighter and easier to work with. It aids installation by providing a smoother surface for positioning flooring. Because HWD-15 is thinner, edge laps don't get in the way during installation of wood strips. It also acts as a "slip sheet" to minimize dust and reduce noise.

Ideal for Wood Flooring

With a moisture vapor permeance of 5, HWD-15 is a well-suited vapor retarder for most wood flooring applications. HWD-15 helps slow moisture vapor originating below the floor system, allowing the wood flooring to acclimate gradually to changes in interior environmental conditions. By reducing the rate of moisture migration, HWD-15 protects against moisture vapor related floor problems such as buckling, cupping or cracking. As a permeable material, HWD-15 will not trap moisture condensation between it and the sub-floor, which can happen with poly films.

Decades of Proven Performance

HWD-15 is a product manufactured by the Fortifiber Building Systems Group. With more than a seventy-five year history of proven performance, technical expertise and practical know-how, the company has become a trusted partner to builders, architects and code officials.



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- REDUCES MOISTURE RELATED PROBLEMS
- OPTIMUM VAPOR PERMEANCE
- EXCELLENT PRICE-PERFORMANCE
- CLEAN & EASY INSTALLATION



Product Description: HWD-15 Hardwood Floor Underlayment is a superior building paper used to cover the sub-floor to reduce moisture vapor flow and aid in installation of wood flooring.

Composition: HWD-15 is a single ply, asphalt saturated, kraft paper.

Size & Weight: HWD-15 is supplied in 36” wide rolls by 144 lineal feet (432 sq. ft.); product weight is approximately 2.5 lbs/100 sq. ft.

Applicable Standards: Meets the International Building Code and International Residential Code as a Class III vapor retarder. Meets NWEA accepted product criteria. Exceeds Federal Specification UU-B-790a, Type 1, Grade D, Style 2, water vapor permeable.

American Society for Testing & Materials (ASTM)

- *ASTM D-146 Standard Test Methods for Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing*
- *ASTM D-689 Standard Test Method for Internal Tearing Resistance of Paper*
- *ASTM D-4869 Standard Specification for Asphalt-Saturated Organic Felt Underlayment Used in Steep Slope Roofing*
- *ASTM E-96 - Water Vapor Transmission of Materials*

Physical Properties: HWD-15 is continually tested in accordance with ASTM procedures. The values shown in Table 1 are averages obtained in these tests.

Limitations: HWD-15 moisture retarder paper is not a waterproof membrane and should not be used in waterproofing assemblies or where a waterproof membrane is specified. Do not use in high moisture or steam areas. Not recommended over a radiant heat system, which may result in asphalt odor. Properly prepared sub-floors or job site conditions and proper installation of flooring are the responsibility of the installer. In applications where a Class II vapor retarder or 30/30/30 asphalt laminated paper is specified, use Fortifiber’s Aquabar® “B”; in applications where a Class I vapor retarder or 6 mil polyethylene film is specified, use Fortifiber’s Moistop Ultra® family of products.

Installation - General: Cut HWD-15 to length as required for proper coverage and overlap all seams a minimum of 4 inches.

Installation - Wood Floors: For wood flooring installations, follow the wood flooring manufacturer’s instructions, NWEA installation guidelines, and local building codes for proper installation of wood flooring over the sub-floor. Concrete or wood sub-floor must be dry and tested for moisture, flat with high spots sanded and low spots filled, structurally sound, and free of protrusions, debris or contaminants. Over a concrete sub-floor with a “floating wood floor system” or screed system, apply Fortifiber’s Moistop Ultra family of products in place of the required 6 mil poly film, between concrete and plywood. Then install HWD-15 over the plywood followed by the wood strip flooring.

For concrete sub-floors, ensure that an underslab vapor retarder has been properly installed beneath the concrete slab, such as Fortifiber’s Moistop Ultra family of products. For installations above a crawl space, make sure the ground has been properly covered by a vapor retarder with a minimum perm rating of .04 or less, and the crawl space is properly cross vented.

Availability: The Fortifiber Building Systems Group’s products are distributed nationwide. For product information and pricing, please call a Fortifiber distributor near you. If you need assistance locating a participating distributor, please call our Customer Service Department at 1-800-773-4777.

Warranty: Fortifiber Corporation warrants that HWD-15 is in compliance with its published specifications and is free from defects in materials and workmanship for a period of two years from the date of purchase. This warranty does not apply to loss due to abuse. Material found to be defective will be replaced at no charge by Fortifiber, but in no event shall Fortifiber be liable for any other costs or damages, including any labor costs.

THIS EXPRESS WARRANTY IS GIVEN IN LIEU OF AND EXCLUDES ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Fortifiber’s sole obligations under this warranty are as set forth herein. In no event shall Fortifiber be liable for any lost revenue or profits, direct, indirect, special, incidental or consequential damages of any kind.

SPECIFICATION SUMMARY: Provides moisture vapor retarder underlayment beneath wood flooring.

MOISTURE VAPOR RETARDER: Fortifiber/HWD-15 single ply, asphalt saturated kraft Grade D paper.

REFERENCE SPECIFICATION: Federal Specification UU-B-790a, Type 1, Grade D, Style 2.

Table 1- Physical Properties

CHARACTERISTIC	TEST METHOD	RESULTS	STANDARD
Water Vapor Transmission	ASTM E-96 (A)	5 perms	1.0 ≤ 10 perms
Tear Strength	ASTM D-689	> .44 lb.f	> .44 lb.f min.
Liquid Water Transmission	ASTM D-4869	Pass	Pass
Pliability	ASTM D-164	Pass	No Cracking



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Protecting Your World from the Elements®

Call 1-800-773-4777 or 1-775-333-6400 for sales and technical assistance. On the Internet visit www.fortifiber.com.

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